

## TECHNICAL SPECIFICATIONS

### FEATURES

- 4 zone RF remote
- Ultra sensitive color adjustment touch wheel.
- Each remote can match with up to 4 receivers.
- CR2032 battery powered.
- Operate with LED indicator light.

### INPUT AND OUTPUT

- Output signal : RF (2.4GHz)
- Working voltage : 3VDC (AAA x 2)
- Working current : <5mA
- Standby current : <10µA
- Standby time : 1 year
- Remote distance : 30m (barrier-free pace)

### ENVIRONMENT

- Operation temperature : -30°C ~ +55°C
- IP rating : IP20

### SAFETY AND EMC

- EMC standard : ETSI EN 301 489-1 V2.2.3, ETSI EN 301 489-17 V3.2.4
- LVD standard : EN 62368-1 : 2020+A11:2020
- Certification : CE, EMC, LVD, RED

### OTHERS

- Warranty : 3 years
- Size : L114 x W65 x H20mm

## KEY FUNCTIONS

**On/Off:** A short press toggles all zone lights on or off.

**Zone Selection:** Short press to select and turn on a specific zone (1, 2, 3, or 4). Hold for 2 seconds to turn off the selected zone light. Rapidly pressing multiple zone keys allows for simultaneous selection of multiple zones.

**Brightness Wheel:** Touch to adjust the brightness of the currently selected zone.

**Brightness +/-:** Short press adjusts brightness across 10 levels, while holding for 1-6 seconds enables continuous adjustment through 256 levels for the selected zone.

**Scene Control:** Short press to recall a scene. Hold for 2 seconds to save the current state as a scene. The LED indicator confirms successful saving by lighting up longer. Scenes can be recalled or saved across all 4 zones simultaneously.

## RECEIVER PAIRING GUIDE

1. Connect the LED power source to the receiver, choosing between 12V or 24V based on the LED strip's voltage.
2. Attach the LED strip to the receiver.
3. Power on the system. If correctly connected, a "RUN" light on the receiver will illuminate.
4. Locate the "MATCH" button on the receiver. Press it; the "RUN" light will flash, indicating the receiver is ready for pairing.
5. Press one of the four zone button on the remote. If the "RUN" light blinks again, the remote has successfully connected to the receiver, allowing control over the LED strip.
6. Repeat steps 4 and 5 if you want to pair additional receivers with the remaining zones on the remote.

**To remove all paired devices,** press and hold the "MATCH" key for 5 seconds. When the LED indicator rapidly flashes several times, it signifies that all matched devices have been successfully deleted.



## TECHNICAL SPECIFICATIONS

### FEATURES

- DC power socket input and 4 channel constant voltage output.
- Match with RF 2.4G single or multiple zone single color, dual color, RGB and RGBW remote control.
- One RF receiver accept up to 10 remote control.
- 4096 levels, 0-100% smooth dimming without flashing.
- Built in RGB and RGBW dynamic modes, including jump or gradual changes.
- Auto-transmitting function: receiver automatically transmit signal to another receiver up to 30m distance.
- Synchronize on multiple number of receivers.
- 3 seconds selectable on/off light fade time.

### INPUT AND OUTPUT

- Input voltage : 12-24VDC
- Input current : 15.5A
- Output voltage : 4 x (12-24)VDC
- Output current : 4 ch 4A (6A max)
- Output power : 4 x (48-96)W
- Output type : Constant voltage

### DIMMING DATA

- Input signal : RF 2.4GHz
- Control distance : 30m (barrier-free space)
- Dimming gray scale : 4096 (2<sup>12</sup>) levels
- Dimming range : 0-100%
- Dimming curve : Logarithmic
- PWM frequency : 1000Hz (default)

### ENVIRONMENT

- Operation temperature : -30°C ~ +55°C
- Case temperature (Max.) : +85°C

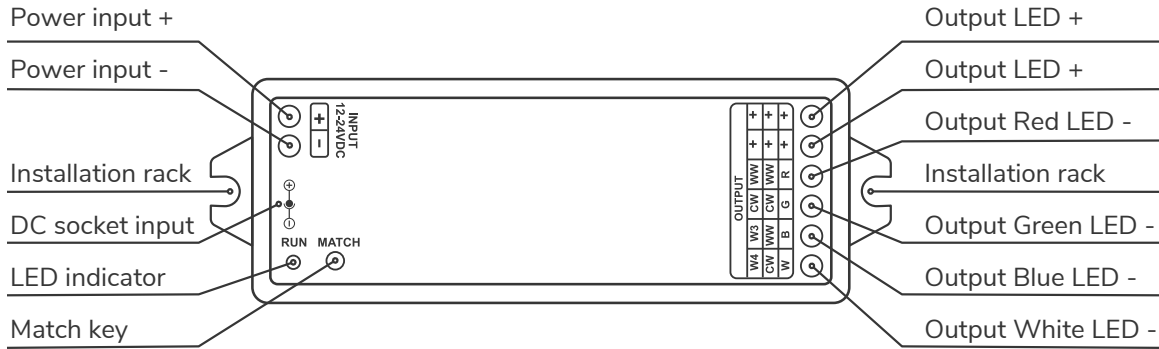
### SAFETY AND EMC

- EMC standard : ETSI EN 301 489-1 V2.2.3, ETSI EN 301 489-17 V3.2.4
- LVD standard : EN 62368-1 : 2020+A11:2020
- Certification : CE, EMC, LVD, RED
- Warranty : 3 years
- Protection : Reverse polarity, Over-heat and short circuit

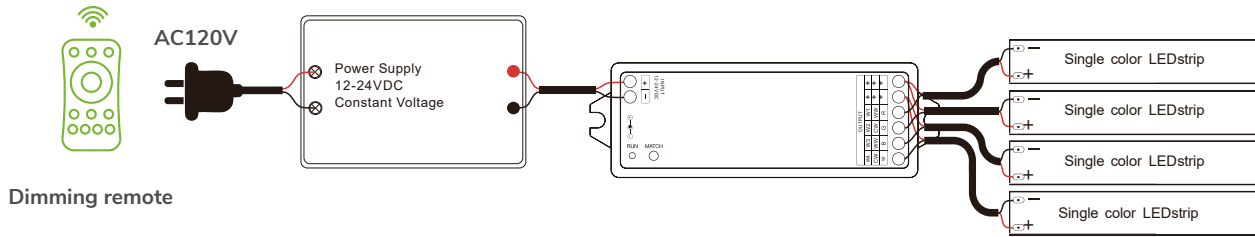
### DIMENSIONS

114mm x 38mm x 20mm (L x W x H)

## MECHANICAL STRUCTURES AND INSTALLATIONS



## WIRING DIAGRAM

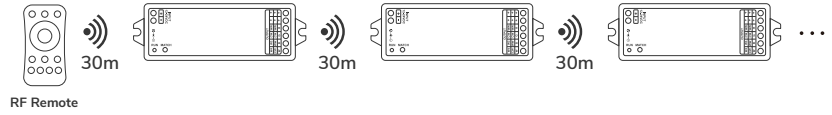


## APPLICATION NOTES

### 1. All the receivers in the same zone.

**Auto-transmitting:** One receiver can transmit the signals from the remote to another receiver within 30m and so on.

**Auto-synchronization:** Multiple receivers within 30m distance can work synchronously when they are controlled by the same remote, under the same dynamic mode and with the same speed.



Receiver placement may offer up to a 30m communication distance. Metals and other magnetic materials will reduce the range. Strong signal sources such as WiFi routers and microwave ovens will also affect the range. We recommend a maximum of 15m spacing between receivers indoors.

### 2. Each receiver in a different zone.

You can use as many individual zones as the remote supports.

You can use multiple receivers on the same zone as long as you respect the 30m rule, explained above in point number 1.



### 3. Light on/off fade time

Long press the match key 5s, then short press the match key 3 times, the light on/off time will be set to 3s, the indicator light will blink 3 times. Long press the match key 10s to restore the factory default parameter, the light on/off time also restore to 0.5s.